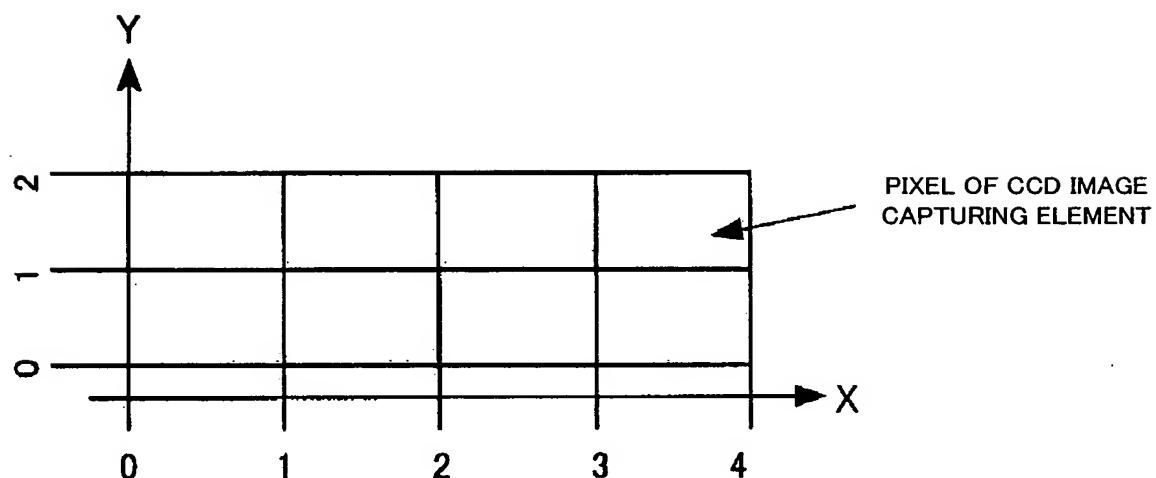


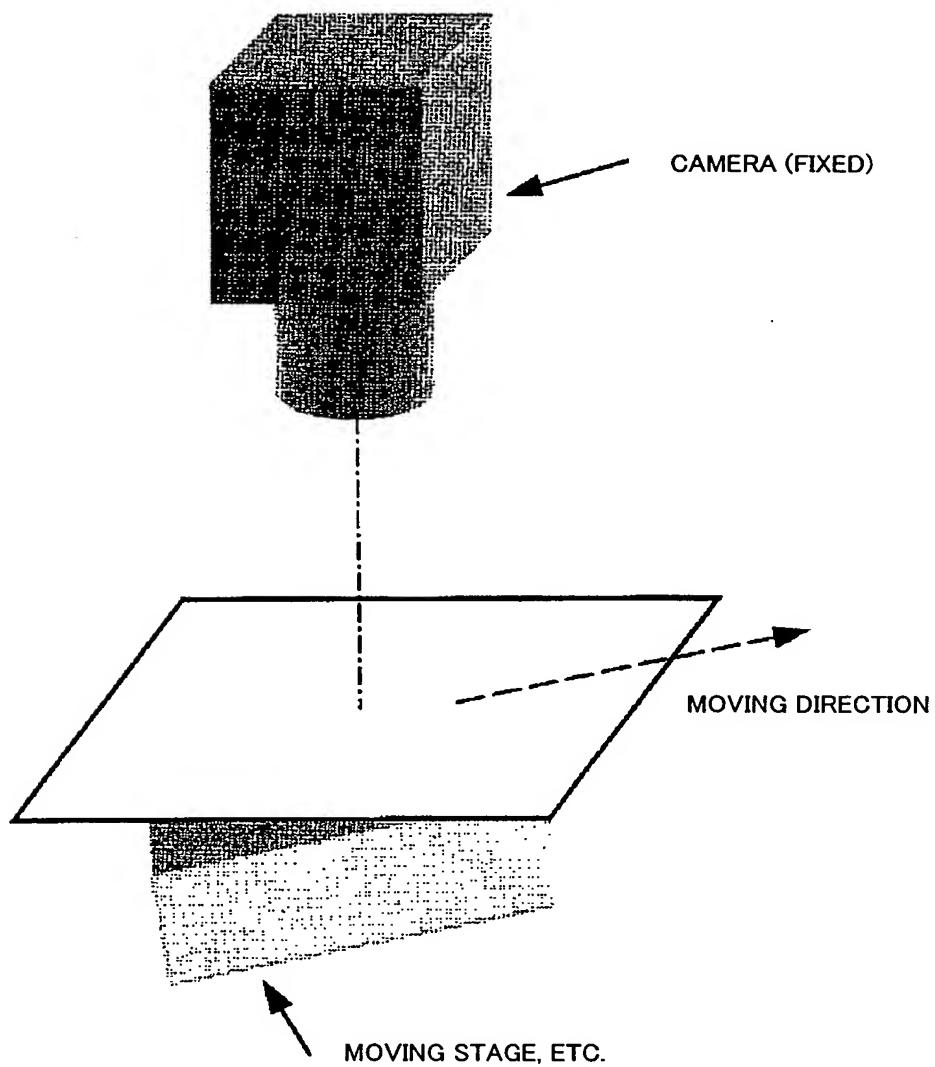
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FIG.1



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FIG.2



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FIG.3

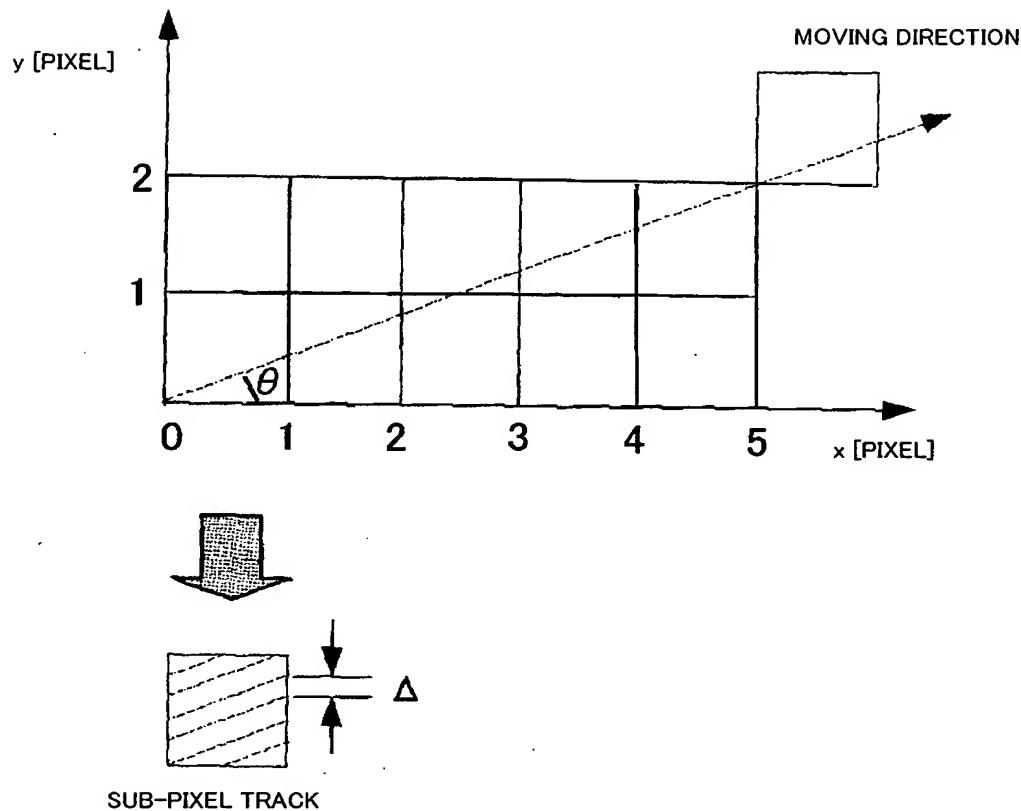
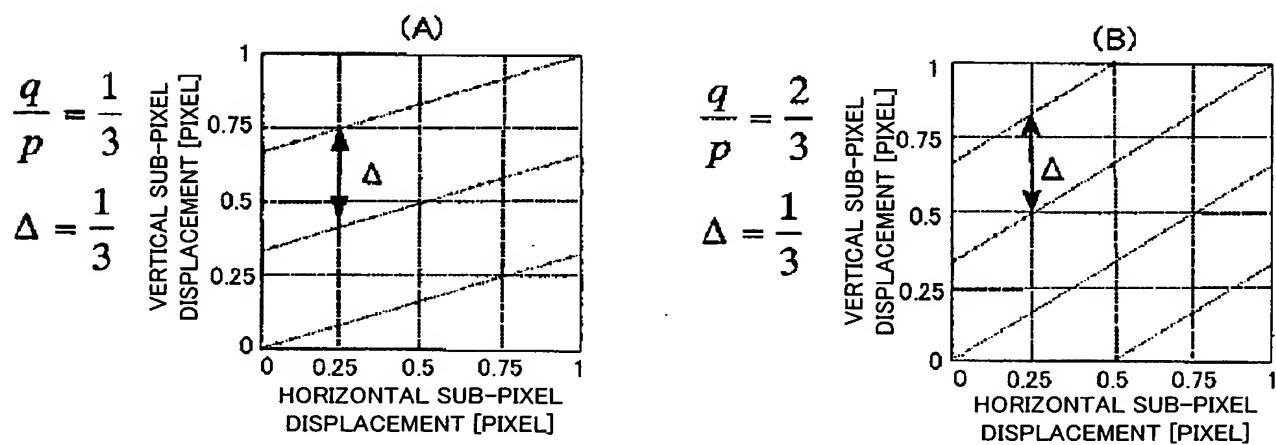


FIG.4



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FIG.5

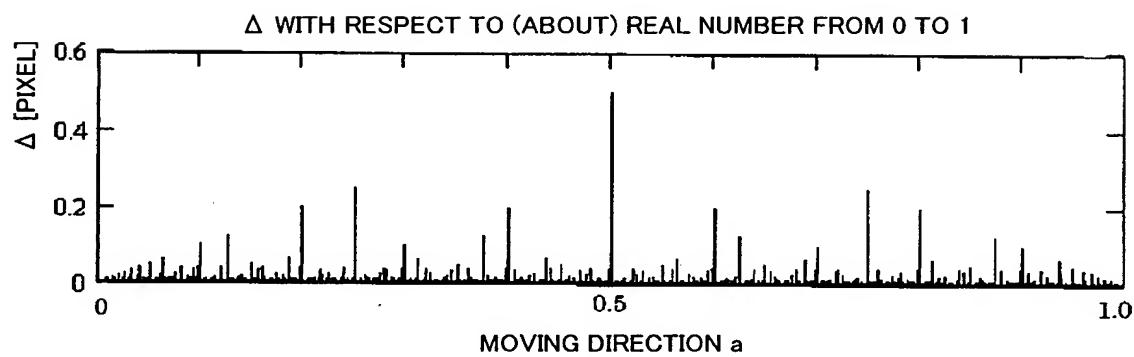
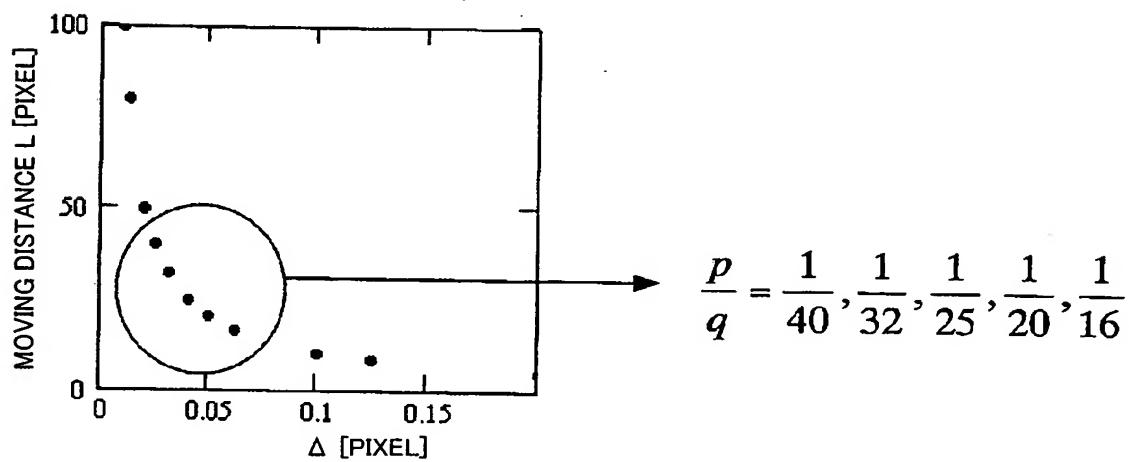


FIG.6

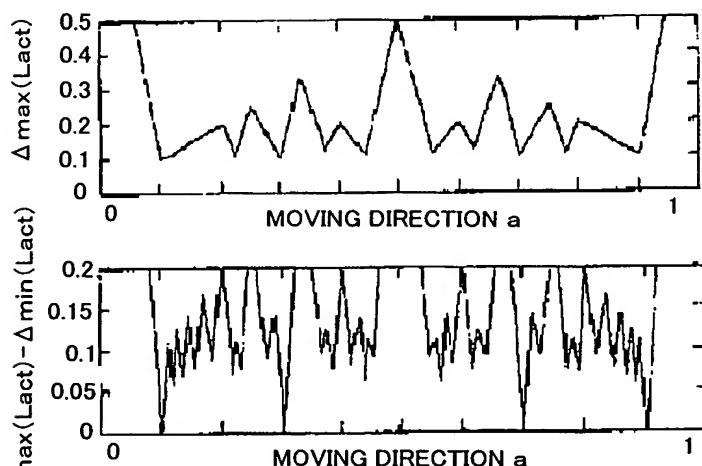


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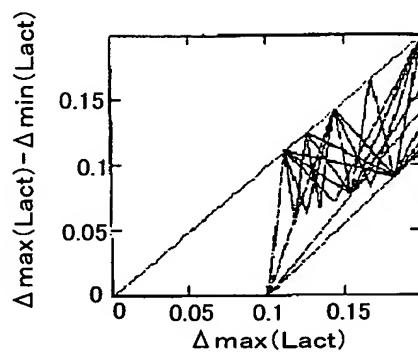
FIG.7

Lact=10[PIXEL]

(A)

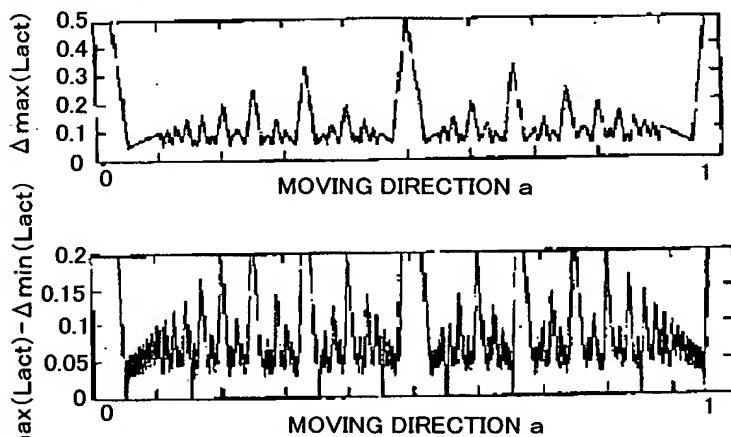


(B)

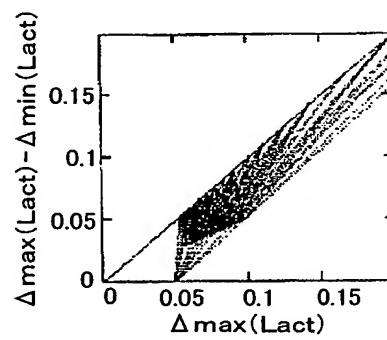


(C)

Lact=20[PIXEL]

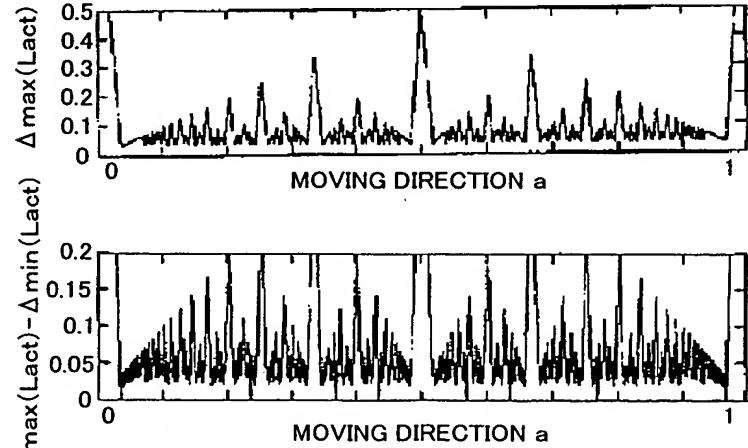


(D)

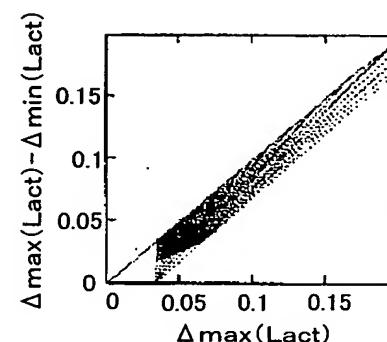


(E)

Lact=30[PIXEL]

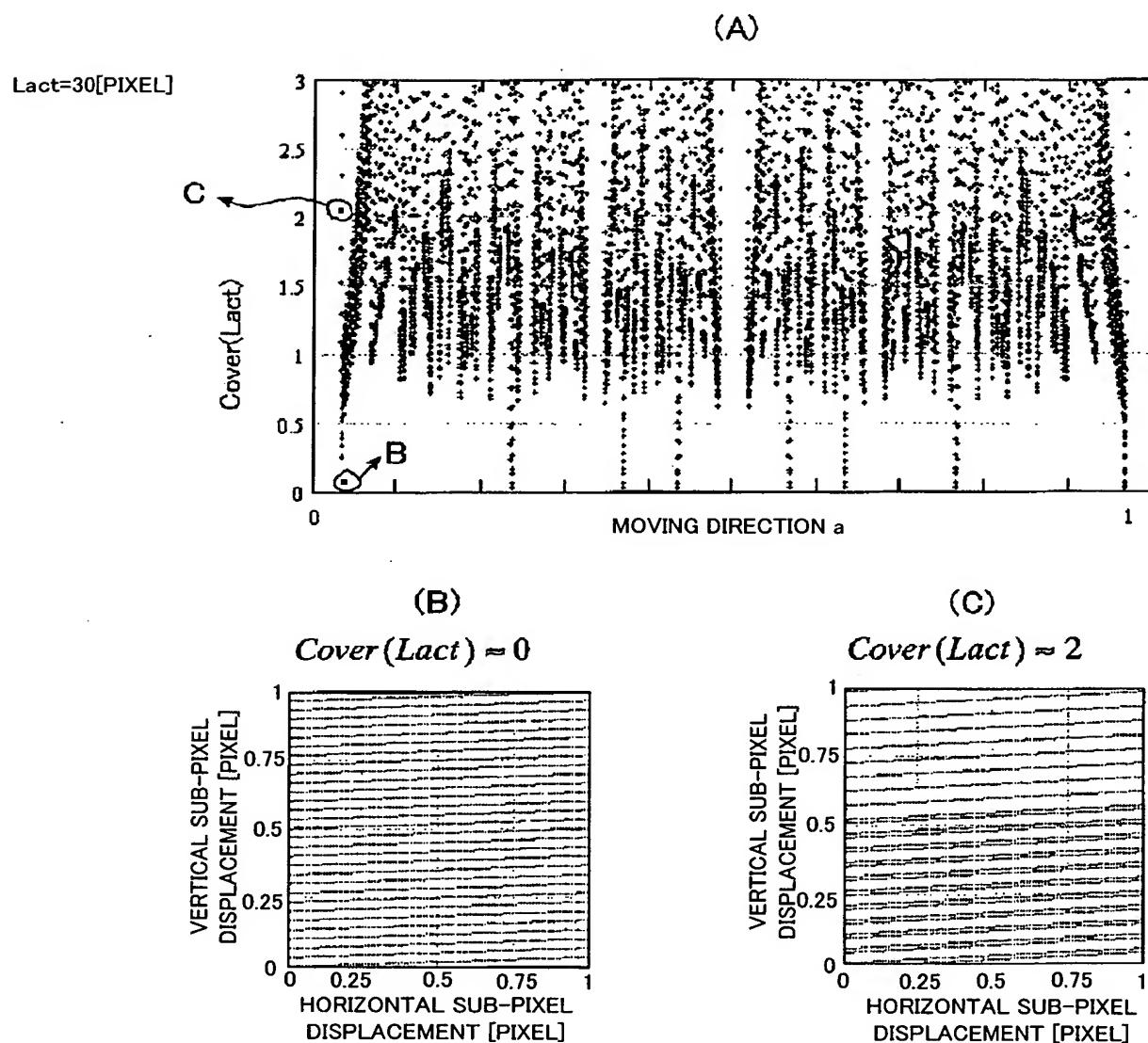


(F)



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FIG.8



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FIG.9

Delta\_max(p,q,Lact) :=

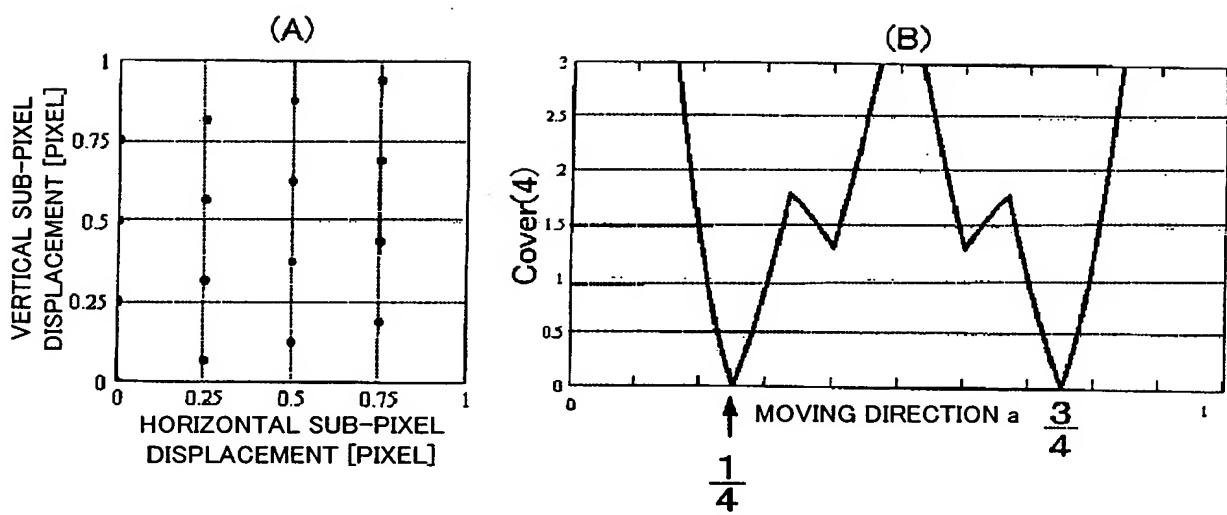
for n ∈ 0..Lact - 1	
B <sub>n</sub> ← $\frac{q}{p} \cdot n - \text{floor}\left(\frac{q}{p} \cdot n\right)$	
C ← sort(B)	
C <sub>Lact</sub> ← 1	
for n ∈ 0..Lact - 1	
dB <sub>n</sub> ← C <sub>n+1</sub> - C <sub>n</sub>	
dC ← sort(dB)	
dC <sub>Lact-1</sub>	

Delta\_min(p,q,Lact) :=

for n ∈ 0..Lact - 1	
B <sub>n</sub> ← $\frac{q}{p} \cdot n - \text{floor}\left(\frac{q}{p} \cdot n\right)$	
C ← sort(B)	
C <sub>Lact</sub> ← 1	
for n ∈ 0..Lact - 1	
dB <sub>n</sub> ← C <sub>n+1</sub> - C <sub>n</sub>	
dC ← sort(dB)	
dC <sub>0</sub>	

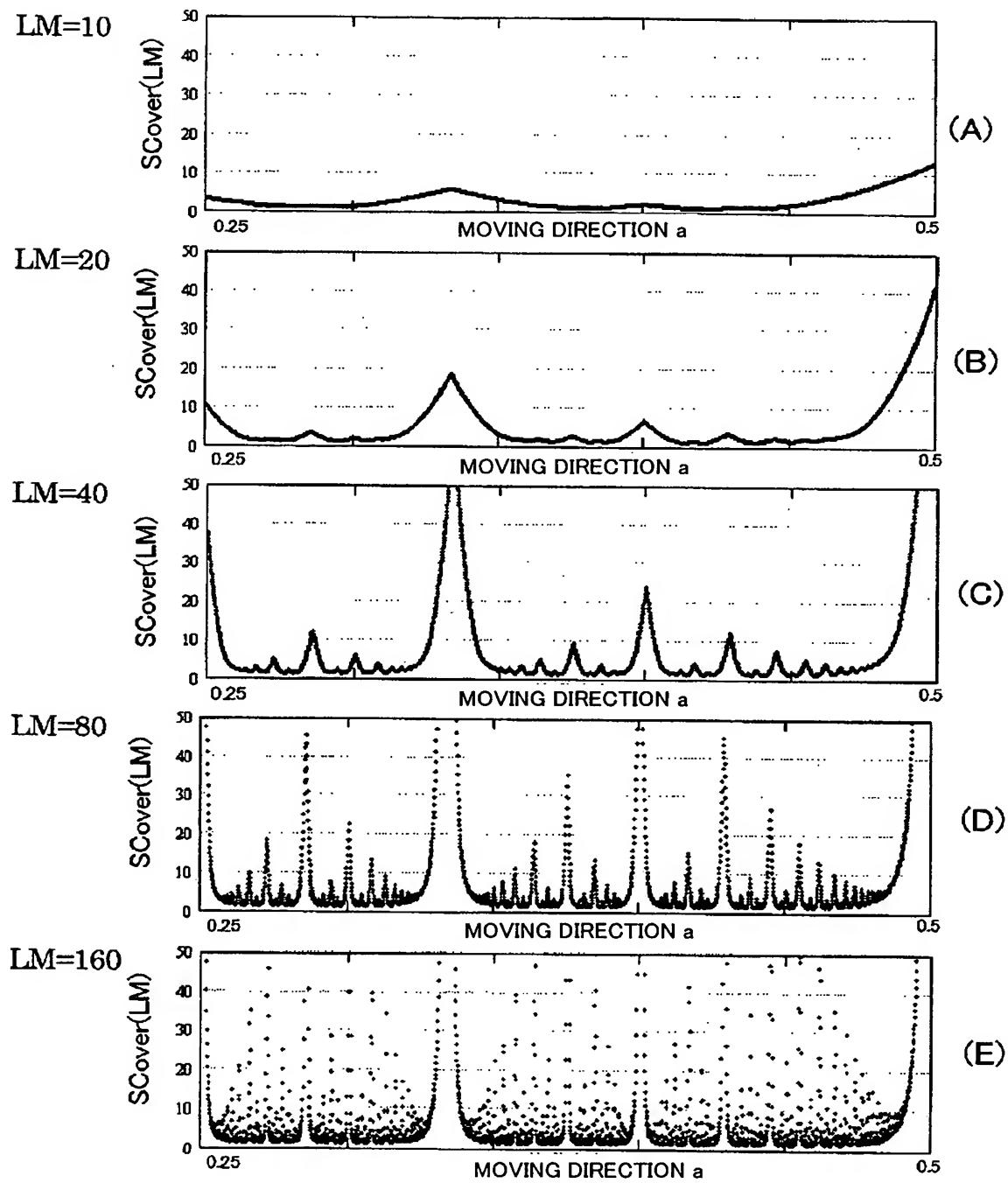
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FIG.10



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FIG.11



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FIG.12

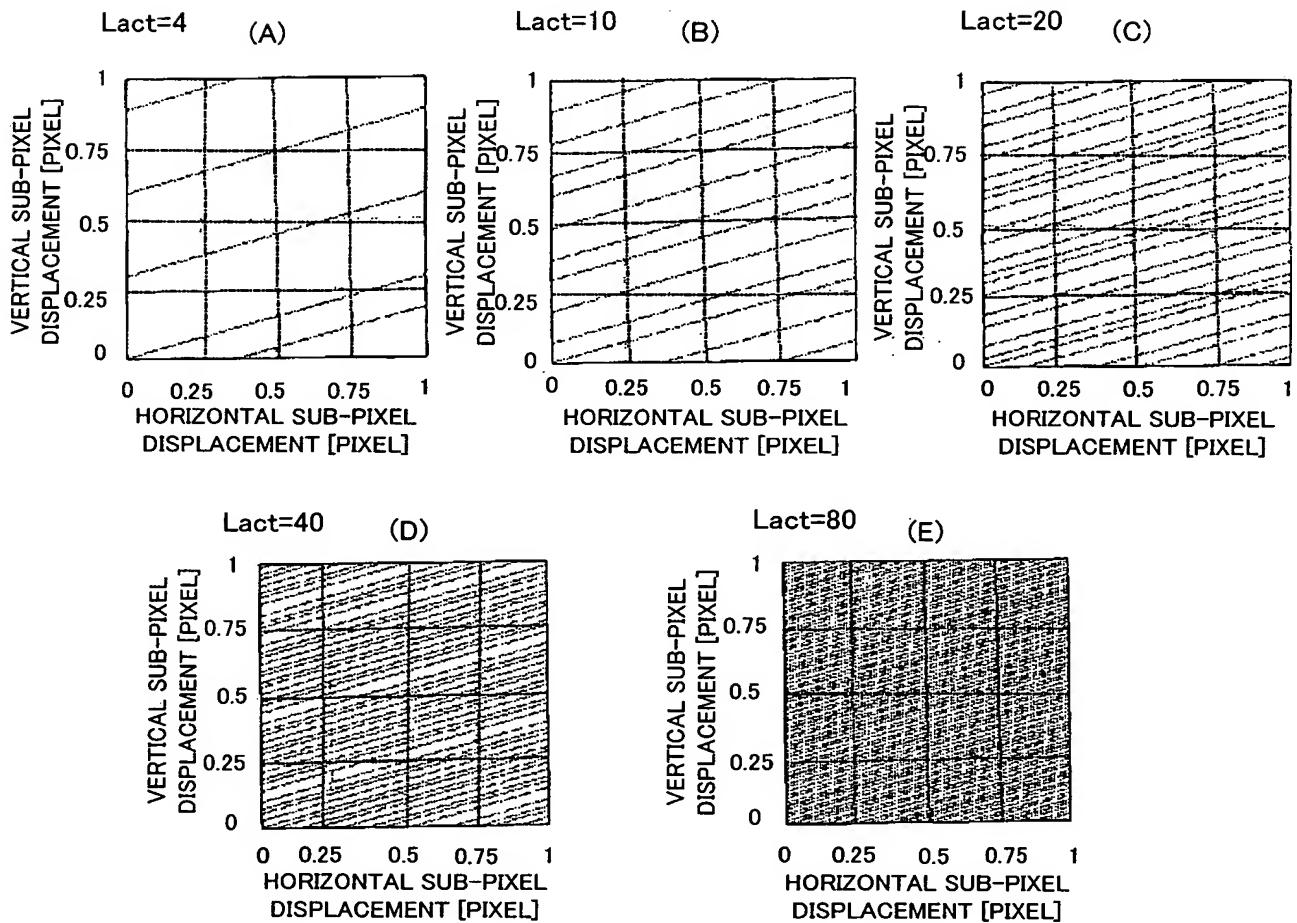


FIG.13

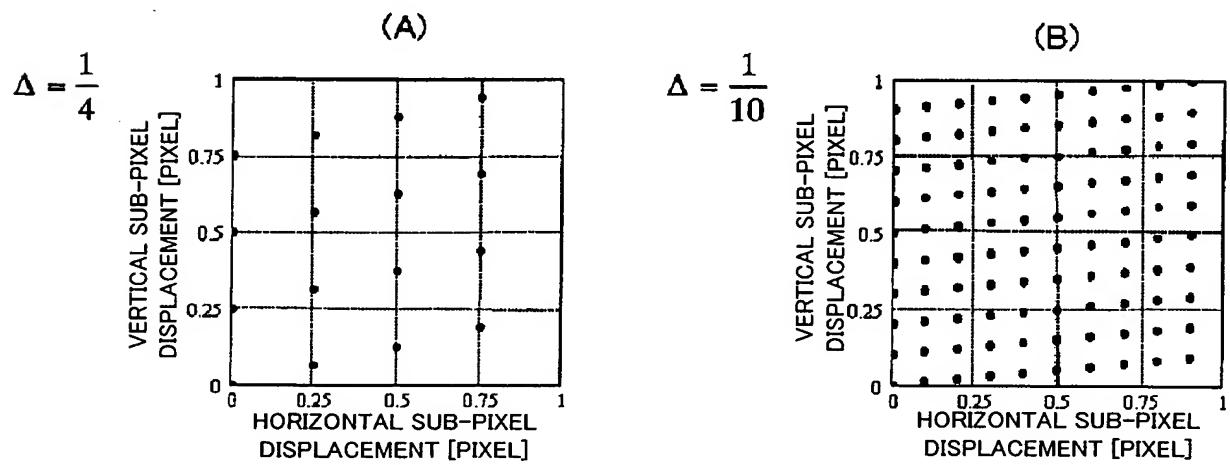
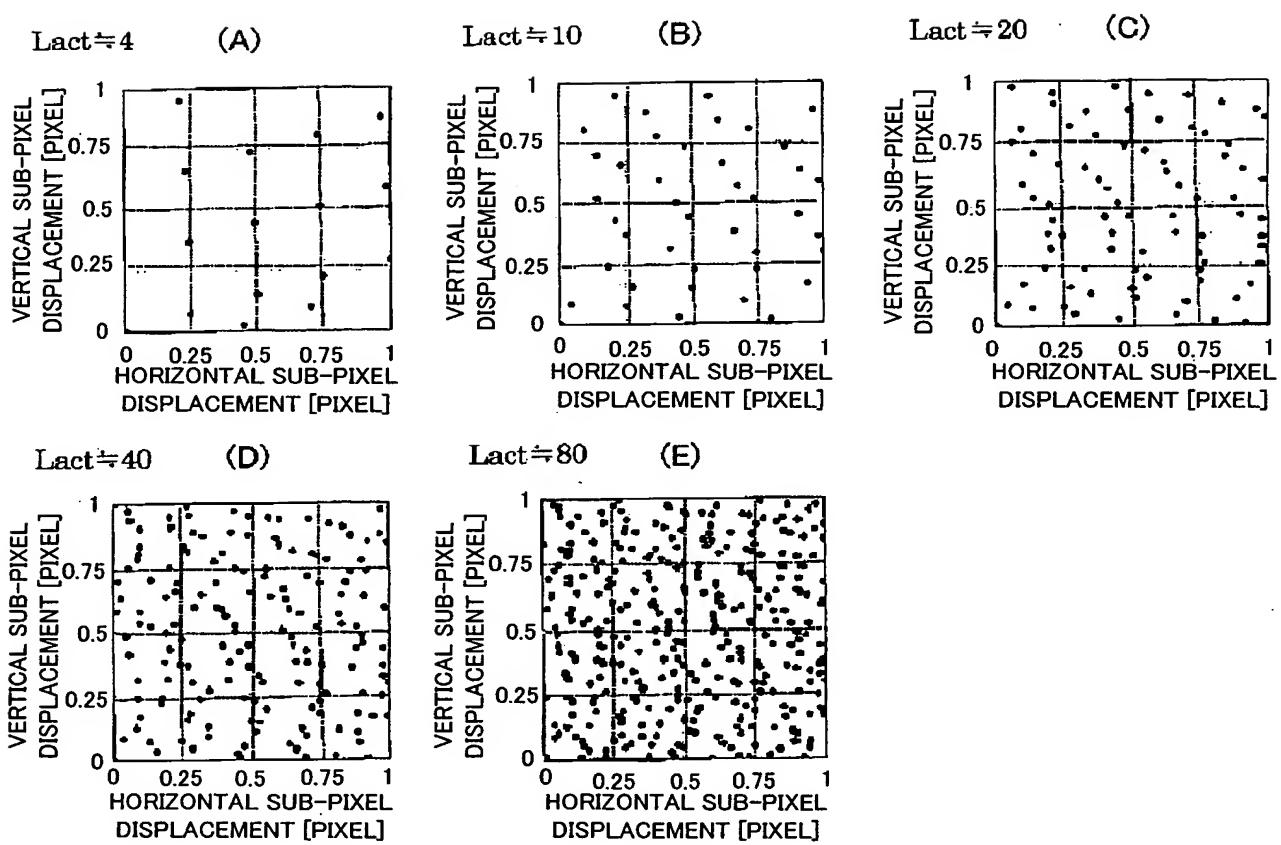


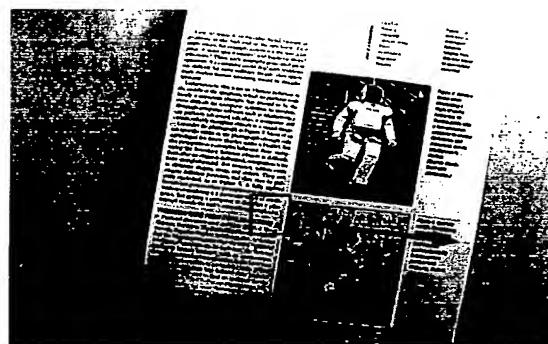
FIG.14



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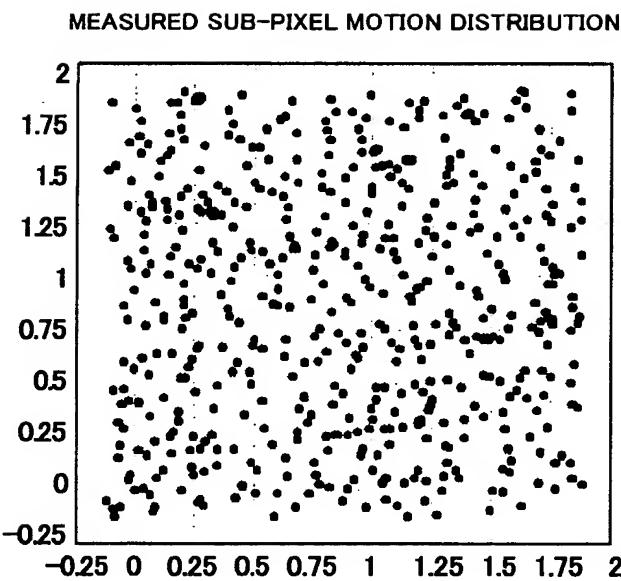
**FIG.15**

(A)

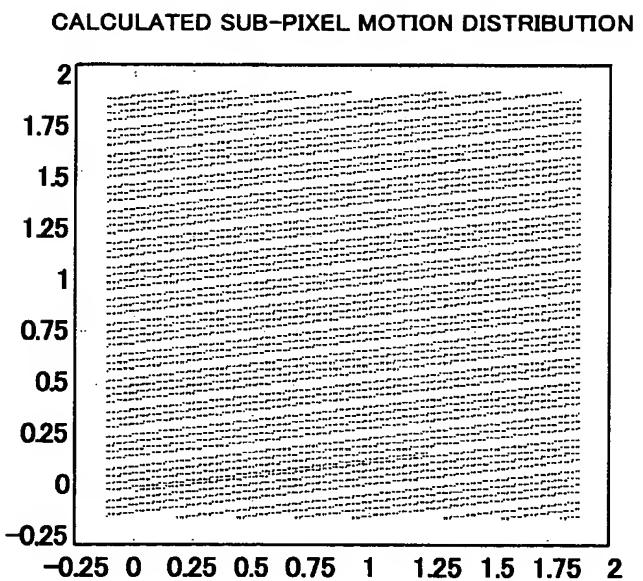


$Lact=107.3, a=14.2/107.3$

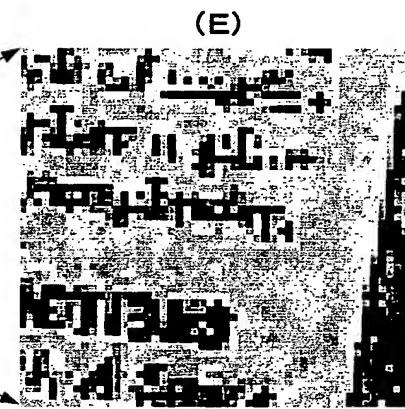
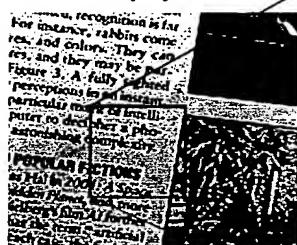
(B)



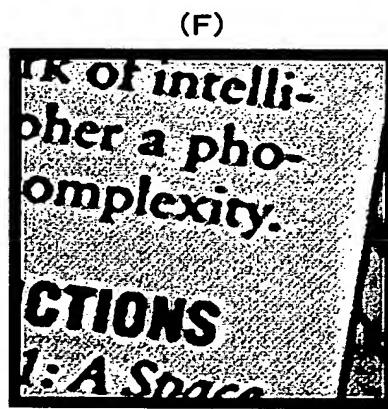
(C)



(D)



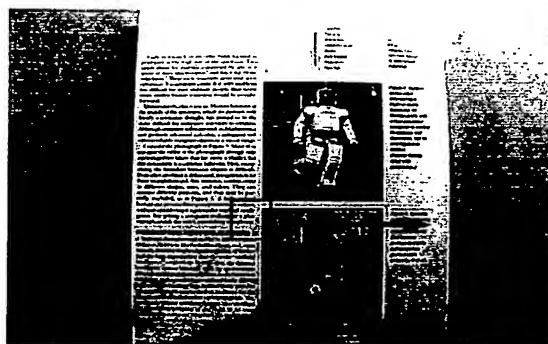
SIMPLE ENLARGEMENT OF  
Kodak DEMOSAICING PROCESS



RESULT OF SUPER-  
RESOLUTION PROCESS

FIG.16

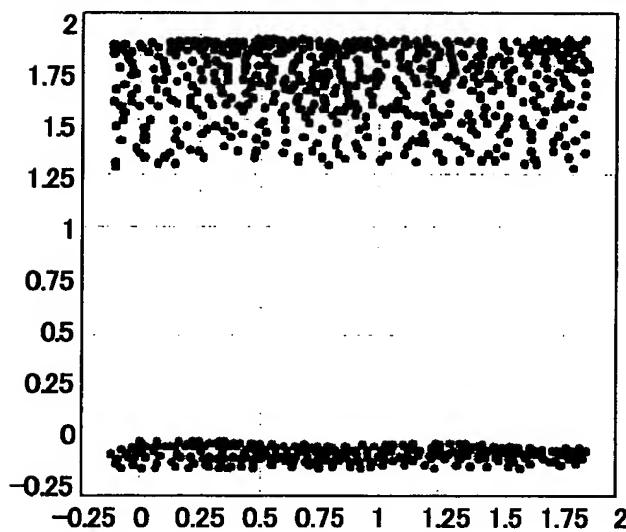
(A)



$L_{act}=54.1, a=-0.7/54.1$

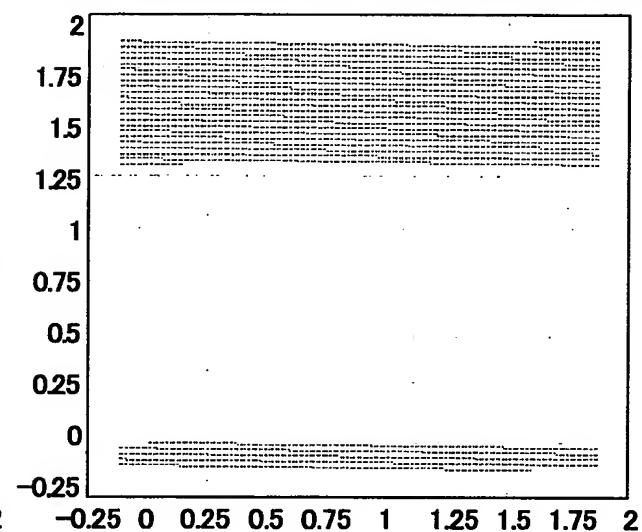
(B)

MEASURED SUB-PIXEL MOTION DISTRIBUTION



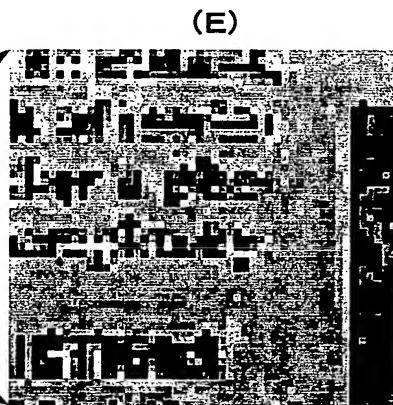
(C)

CALCULATED SUB-PIXEL MOTION DISTRIBUTION



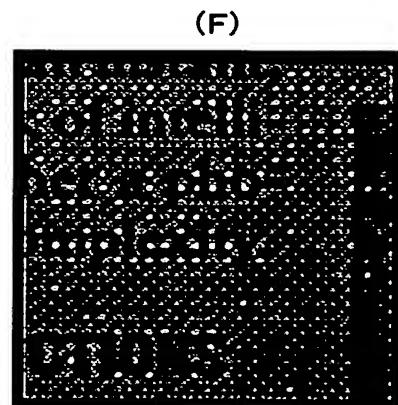
(D)

DO YOU KNOW HOW MUCH IS 144?  
 d. For instance, rabbits come in  
 sizes, and colors. They can be  
 sheer, and there may be pairs  
 in Figure 3. A fully lighted  
 base perceptions can be instant.  
 It is a particular mark of intelligent  
 computer to decipher a photo  
 task's astonishing complexity.  
 FROM POPULAR FICTION



SIMPLE ENLARGEMENT OF  
 Kodak DEMOSAICING PROCESS

(E)



RESULT OF SUPER-  
 RESOLUTION PROCESS

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FIG.17

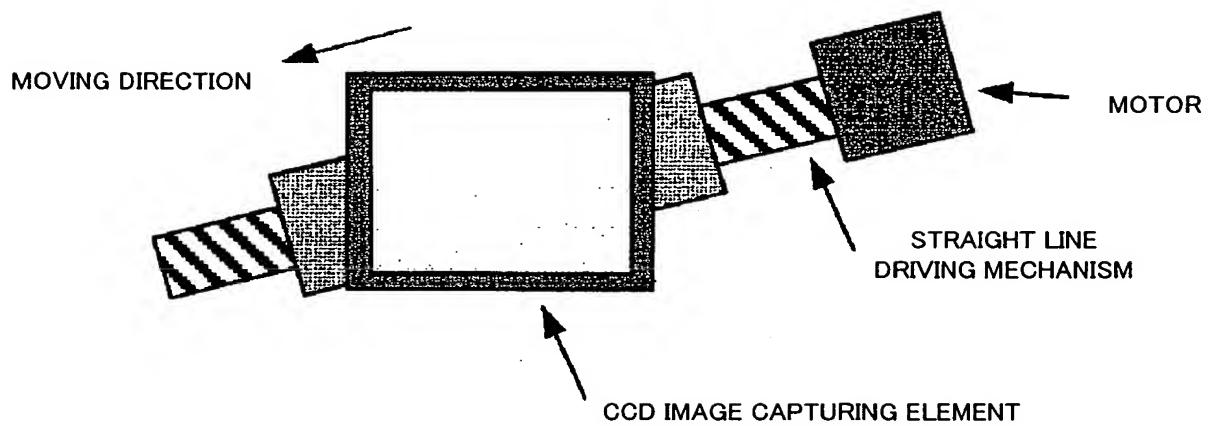
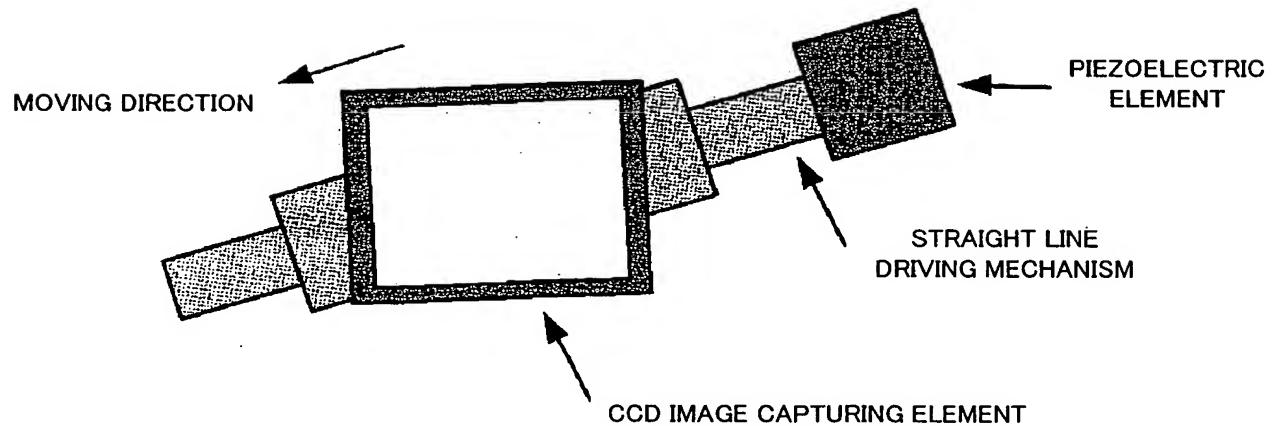
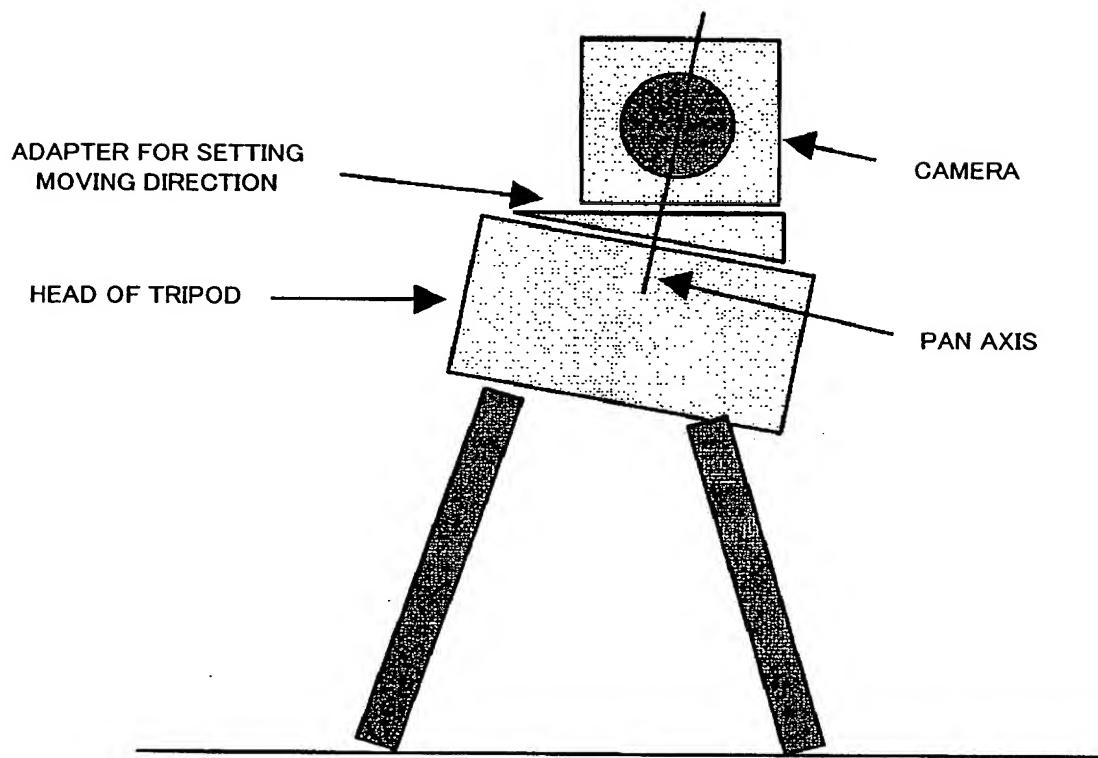


FIG.18



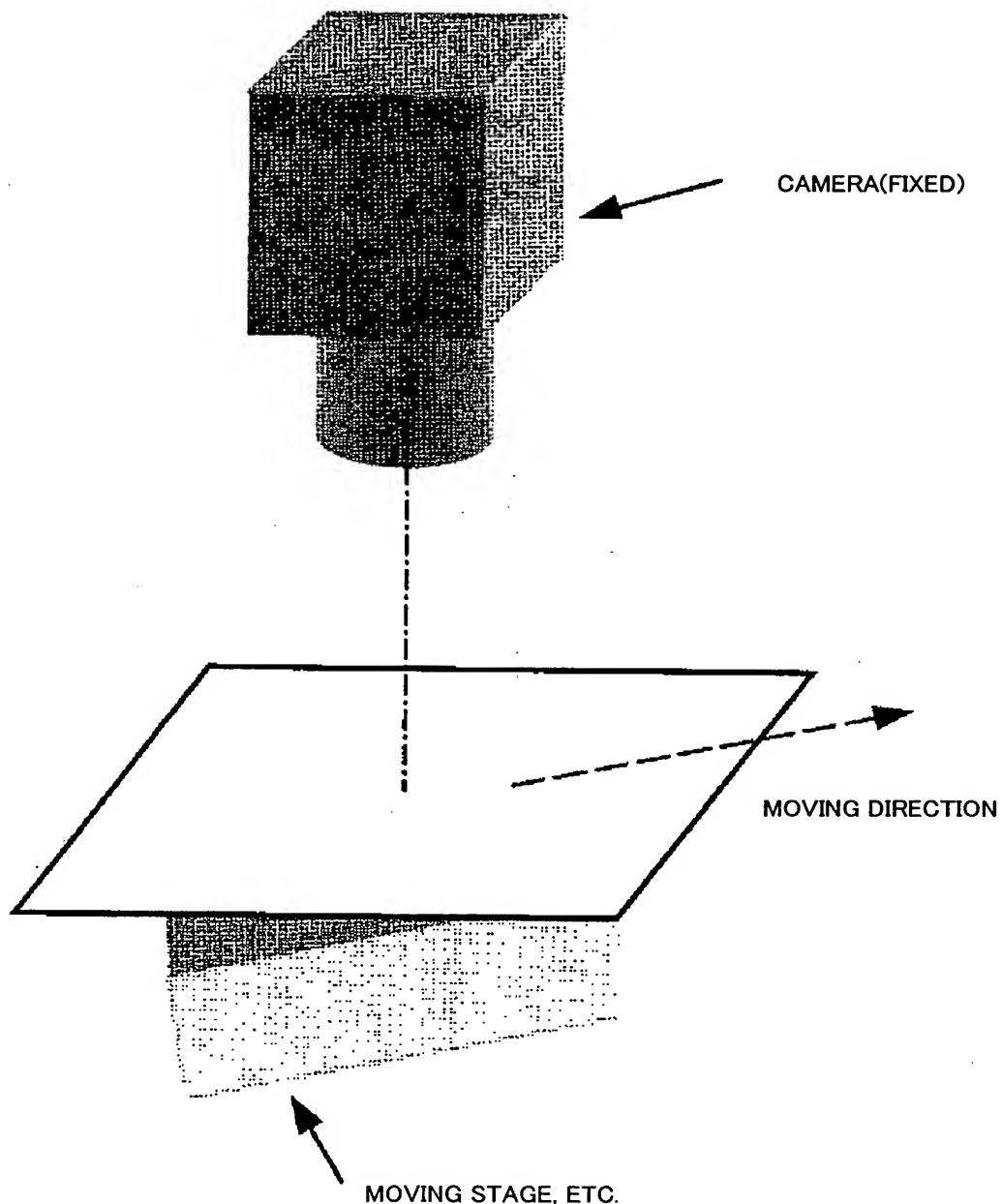
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FIG.19



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FIG.20



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FIG.21

